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$0.01 TYMNET
$0.23 Estimated cost this search
$0.23 Estimated total session cost 0.062 DialUnits

File 155:MEDLINE(R) 1966-2000/Sep W1
(c) format only 2000 Dialog Corporation

Set Items Description
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Set Items Description
S1 742707 DT=REVIEW?
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S3 10977 NULL
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S5 27950 CODON OR CODONS
S6 4 S4 AND S5
S7 1595094 TECHNIQUES OR METHODS
S8 41 S4 AND S7
S9 366838 VIRUS OR VIRAL
S10 20 S1 AND S3 AND S9
S11 657253 MOLECULAR
S12 4892 S1 AND S11 AND S9
S13 899 S7 AND S12
S14 3 S5 AND S13
S15 160155 S9/TI
S16 229 S15 AND S13
? t s8/7/28 29

8/7/28
DIALOG(R)File 155:MEDLINE(R)
(c) format only 2000 Dialog Corporation. All rts. reserv.
08445644 96026591
Use of transgenics, null mutants, and antisense approaches to study ethanol's actions.
Wehner JM; Bowers BJ
School of Pharmacy, University of Colorado, Boulder 80309, USA.
Alcoholism, clinical and experimental research (UNITED STATES) Aug 1995, 19 (4) p811-20, ISSN 0145-6008 Journal Code: 35X
Contract/Grant No.: AA-03527, AA, NIAAA; AA-00141, AA, NIAAA
Languages: ENGLISH
Document type: JOURNAL ARTICLE; REVIEW; REVIEW, TUTORIAL
Behavioral and biochemical responses mediating ethanol's actions have been difficult to study in humans and animals because of their complex polygenic nature. Recent progress in the creation of new animal models using recombinant DNA technology has provided a set of genetic tools by which the role of specific candidate genes in ethanol's actions can be examined. These techniques include the creation of transgenic and null mutant mice, as well as manipulation of protein synthesis with antisense treatments. These techniques are reviewed, and their potential applications to alcohol research are discussed. (79 Refs.)

8/7/29
DIALOG(R)File 155:MEDLINE(R)
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08183377 94269635
Forward and reverse genetic approaches to behavior in the mouse [see comments]
Takahashi JS; Pinto LH; Vitaterna MH
Department of Neurobiology and Physiology, Northwestern University, Evanston, IL 60208.
Science (UNITED STATES) Jun 17 1994, 264 (5166) p1724-33, ISSN 0036-8075 Journal Code: UJ7
Contract/Grant No.: EY08467, EY, NEI; MH39592, MH, NIMH; MH49241, MH, NIMH; +
Comment in Science 1995 Jan 6;267(5194):17
Languages: ENGLISH
Document type: JOURNAL ARTICLE; REVIEW; REVIEW, TUTORIAL
Modern molecular genetic and genomic approaches are revolutionizing the study of behavior in the mouse. "Reverse genetics" (from gene to phenotype) with targeted gene transfer provides a powerful tool to dissect behavior and has been used successfully to study the effects of null mutations in genes implicated in the regulation of long-term potentiation and spatial learning in mice. In addition, "forward genetics" (from phenotype to gene) with high-efficiency mutagenesis in the mouse can uncover unknown genes and has been used to isolate a behavioral mutant of the circadian system. With the recent availability of high-density genetic maps and physical mapping resources, positional cloning of virtually any mutation is now feasible in the mouse. Together, these approaches permit a molecular analysis of both known and previously unknown genes regulating behavior. (161 Refs.)
? t s10/7/7

10/7/7
DIALOG(R)File 155:MEDLINE(R)
(c) format only 2000 Dialog Corporation. All rts. reserv.
08993752 97276296
Human cytomegalovirus glycoproteins.
Britt WJ; Mach M
Department of Pediatrics, University of Alabama at Birmingham 35233, USA.

Intervirology (SWITZERLAND) 1996, 39 (5-6) p401-12, ISSN 0300-5526
Journal Code: GW7
Languages: ENGLISH
Document type: JOURNAL ARTICLE; REVIEW; REVIEW, TUTORIAL
The complex biology of human cytomegalovirus (HCMV) necessarily begins with an initial interaction between the envelope of the infectious virion and the host cell. Understanding the initial events of infection will require a further analysis of the glycoprotein components of the virion envelope as well as their expression in the membranes of the infected cell. This experimental goal has been hindered by the large genome of HCMV, which may encode over 65 unique glycoproteins. Protein homologs of only 4 herpes simplex virus (HSV) glycoproteins, gB, gH, gL and gM, have been identified, and potential functions have been postulated based on studies of specific glycoprotein null mutants of HSV and other herpesviruses. Additional glycoproteins have been analyzed but to date their function in the replicative cycle of this virus is unknown. Several of the envelope glycoproteins elicit strong host immune responses, including the production of virus-neutralizing antibodies. This response is felt to be a key component of host immunity and represents a goal of vaccine development. Finally, recent findings have also provided evidence that HCMV glycoproteins may contribute to evasion of host cellular immune responses by limiting viral antigen presentation. (97 Refs.)
? t s16/7/90

16/7/90
DIALOG(R)File 155:MEDLINE(R)
(c) format only 2000 Dialog Corporation. All rts. reserv.
08545193 95345936
Scale-up of recombinant virus and protein production in stirred-tank reactors.
Tom RL; Caron AW; Massie B; Kamen AA
Animal Cell Culture Group, Biotechnology Research Institute, Montreal, Quebec, Canada.
Methods in molecular biology (UNITED STATES) 1995, 39 p203-24, ISSN 1064-3745 Journal Code: BU3
Languages: ENGLISH
Document type: JOURNAL ARTICLE; REVIEW; REVIEW, TUTORIAL
(26 Refs.)
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$0.80 4 Type(s) in Format 7
$0.80 223 Types
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$0.60 TYMNET
$9.92 Estimated cost this search
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? b 155
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$0.21 Estimated cost File1
$0.21 Estimated cost this search
$0.21 Estimated total session cost 0.060 DialUnits

File 155:MEDLINE(R) 1966-2000/Sep W1
(c) format only 2000 Dialog Corporation

Set Items Description
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27663 TOBACCO
50 S1
S2 10 TOBACCO AND S1
? t s2/7/8 10

2/7/8
DIALOG(R)File 155:MEDLINE(R)
(c) format only 2000 Dialog Corporation. All rts. reserv.
08003719 94376284
Structure-function relationship between tobacco mosaic virus coat protein and hypersensitivity in Nicotiana sylvestris.
Culver JN; Stubbs G; Dawson WO
Center for Agriculture Biotechnology, University of Maryland Biotechnology Institute, College Park 20742.
Journal of molecular biology (ENGLAND) Sep 16 1994, 242 (2) p130-8, ISSN 0022-2836 Journal Code: J6V
Languages: ENGLISH
Document type: JOURNAL ARTICLE
Alterations in the structure of the tobacco mosaic virus (TMV) coat protein affect the elicitation of the N' gene hypersensitive response (HR) in Nicotiana sylvestris. To investigate this structure-function relationship, amino acid substitutions with predicted structural effects were created throughout the known structure of the TMV coat protein. Substitutions that resulted in the elicitation of the HR resided within and would predictably interfere with interface regions located between adjacent subunits in ordered aggregates of coat protein. Substitutions that did not result in the elicitation of the HR were either conservative or located outside these interface regions. In vitro analysis of coat protein aggregates demonstrated HR-eliciting coat proteins to have reduced

aggregate stability in comparison with non-HR-eliciting coat proteins and a correlation existed between the strength of the elicited HR and the ability of a substitution to interfere with ordered aggregate formation. This finding corresponded with the predicted structural effects of HR-eliciting substitutions. Radical substitutions that predictably disrupted coat protein tertiary structure were found to prevent HR elicitation. These findings demonstrate that structural alterations that affect the stability of coat protein quaternary structure but not tertiary structure lead to host cell recognition and HR elicitation. A model for HR elicitation is proposed, in which disassembly of coat protein aggregates exposes a host "receptor" binding site.

2/7/10
DIALOG(R)File 155:MEDLINE(R)

05624622 90085828
Tobacco mosaic virus coat protein: an elicitor of the hypersensitive reaction but not required for the development of mosaic symptoms in Nicotiana sylvestris.
Culver JN; Dawson WO
Department of Plant Pathology, University of California, Riverside 92521.
Virology (UNITED STATES) Dec 1989, 173 (2) p755-8, ISSN 0042-6822
Journal Code: XEA
Languages: ENGLISH
Document type: JOURNAL ARTICLE
Specific nucleotide changes in the coat protein gene of tobacco mosaic virus (TMV) have been identified as responsible for the induction of the hypersensitive reaction (HR) in Nicotiana sylvestris. Each of these nucleotide changes resulted in amino acid substitutions in the coat protein. To determine if the altered viral RNA or the altered protein acted directly to elicit the HR, the coat protein translational starts were removed from full-length cDNA clones of the HR-inducing mutant TMV 25 and the systemically infecting TMV U1 strain. Infectious transcripts of these altered genomes failed to induce HR in inoculated leaves of N. sylvestris. These free-RNA mutants moved poorly out of inoculated leaves and produced a systemic mosaic symptom 9 to 12 weeks after inoculation. Infectious viral RNA, from both mutants, was recovered from inoculated and systemic mosaic leaves. Western blot analysis of both inoculated and noninoculated leaves revealed the presence of TMV-encoded 126-kDa protein and the absence of coat protein for both mutants. This study demonstrates that the coat protein of TMV 25 is an elicitor molecule responsible for the induction of HR in N. sylvestris and that the TMV coat protein is not required for the development of systemic mosaic symptoms.
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$0.40 12 Types
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$0.10 TYMNET
$1.55 Estimated cost this search
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File 155:MEDLINE(R)  1966-2000/Sep W1
     (c) format only 2000 Dialog Corporation

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S2    742707   DT=REVIEW?
S3         0   S2 AND S3
S4         5   S2 AND S1
S5      1295   FRAME AND STOP
S6         2   S1 AND S5
S7     27  S2 AND S5
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        $0.00  34 Types
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    $3.38  Estimated total session cost   0.916 DialUnits
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? b 155
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    $0.22  Estimated cost File1
    $0.22  Estimated cost this search
    $0.22  Estimated total session cost   0.062 DialUnits

File 155:MEDLINE(R)  1966-2000/Sep W1
     (c) format only 2000 Dialog Corporation

     Set  Items  Description
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? s nested(w)stop
          5407  NESTED
         13632  STOP
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? s nested and stop
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         13632  STOP
     S2     16  NESTED AND STOP
? b 357
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File 357:Derwent Biotechnology Abs  1982-2000/Jul B2
     (c) 2000 Derwent Publ Ltd

     Set  Items  Description
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          838  STOP
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? s nested and stop
          284  NESTED
          838  STOP
     S2      0  NESTED AND STOP
? log y
     07jul00 13:58:42 User208669 Session D1650.3
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    $0.05  TYMNET
    $2.10  Estimated cost this search
    $3.23  Estimated total session cost   0.489 DialUnits
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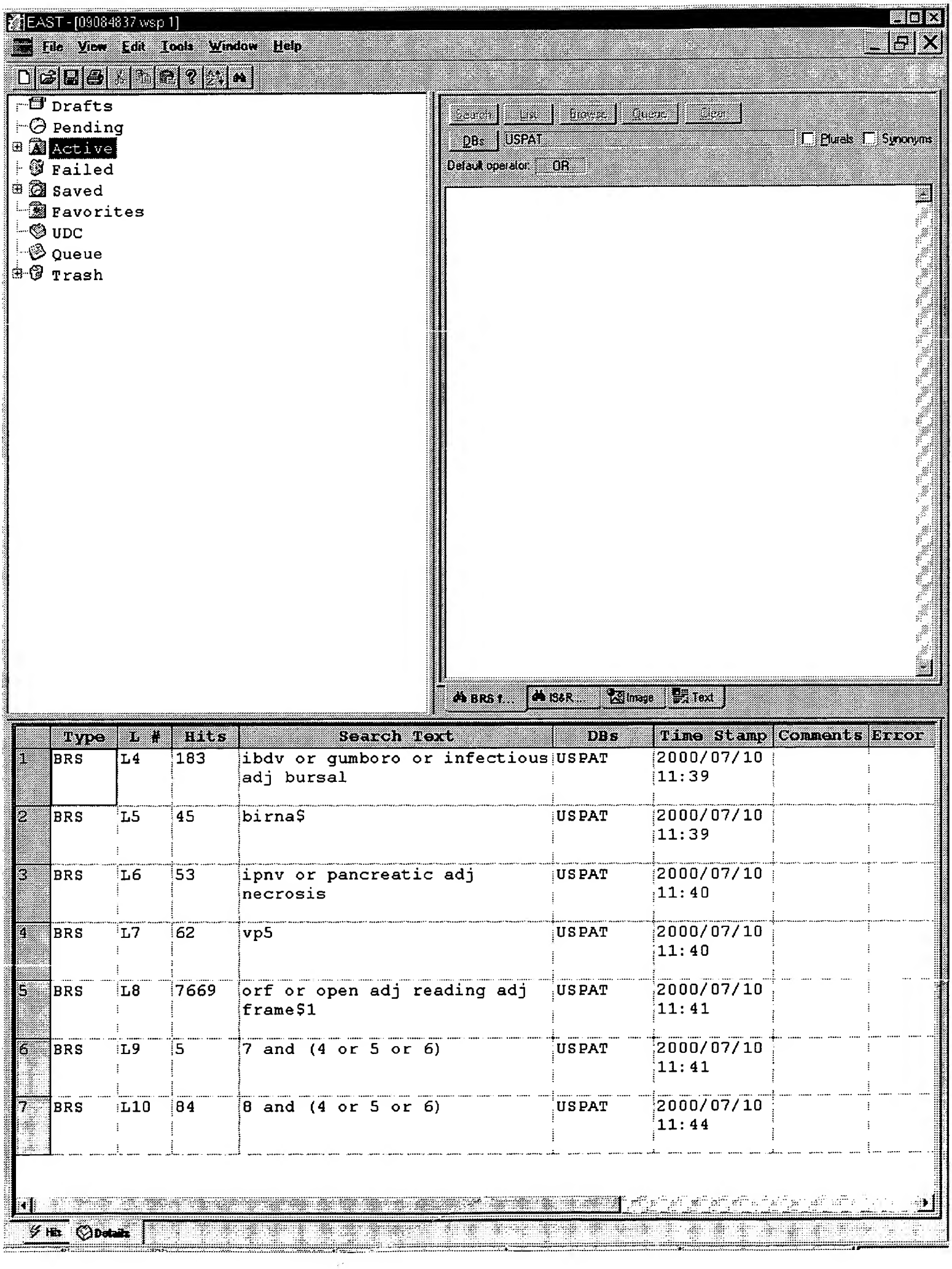
EAST - [09084837 wsp 1]
File View Edit Tools Window Help
Drafts
Pending
Active
Failed
Saved
Favorites
UDC
Queue
Trash
Search List Browse Queue Clear
DBs USPAT
Plurals Synonyms
Default operator OR
BRS f...
ISR
Image
Text
Type L # Hits Search Text DBs Time Stamp Comments Error
1 BRS L4 183 ibdv or gumboro or infectious adj bursal USPAT 2000/07/10 11:39
2 BRS L5 45 birna$ USPAT 2000/07/10 11:39
3 BRS L6 53 ipnv or pancreatic adj necrosis USPAT 2000/07/10 11:40
4 BRS L7 62 vp5 USPAT 2000/07/10 11:40
5 BRS L8 7669 orf or open adj reading adj frame$1 USPAT 2000/07/10 11:41
6 BRS L9 5 7 and (4 or 5 or 6) USPAT 2000/07/10 11:41
7 BRS L10 84 8 and (4 or 5 or 6) USPAT 2000/07/10 11:44
Hits
Details